

Notice of Allowability

Application No.

10/074,044

Examiner

Samson B. Lemma

Applicant(s)

UN, KANG CHUN

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 11/13/2007.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date held on 10/24/2007.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

1. The request filed on November 13, 2007 for a request for continued examination (RCE) under 37 CFR 1.114 based on patent application 10/074,044 is acceptable and an RCE has been established. Claim 14 is canceled. Thus **claims 1-8** are pending/ examined. Claim 1, the only independent claim, is amended.
2. Examiner and applicant's representative (Diallo T. Crenshaw Reg. No. 52,778) conducted, **applicant's initiated telephonic interview on October 04, 2007**. Examiner and applicant's representative discussed the limitation recited in independent claim 1 in view of the prior art/s on the record. Applicant's representative discussed/clarify the invention and the limitation recited in independent claim 1. In view of such a discussion Examiner and applicant's representative agreed on the claim language that would further clarify the limitation. Furthermore, both parties discussed/agreed the language that would make the application distinct from the prior art used; overcome the ground of rejection set forth in the pervious final-office action and possibly make the application allowable. Examiner however indicated to the applicant's representative that further search and consideration and approval from the supervisor is required before the case is finally allowed.

Allowable Subject Matter

3. **Claims 1-8** are allowed.
4. The following is an examiner's statement of reasons for allowance:
5. Referring to **the pervious independent claims 1,**

the art on the record namely the combination of Scott and Nagashima discloses each and every limitation recited before the claim is amended. For instance, Referring to the pervious claim 1, Scott, the primary reference on the record discloses a method for storing and securely managing important information for a user in a database, [Column 4, lines 7-9] (registering a person with the host facility by storing an ID code associated only with portable registered device controlled by the registered person. **An ID code meets the limitation of the important information and **storing an ID code in host facility** meets the limitation of storing and securely managing important information for a user in a database) **comprising:****

Storing synchronizing information, [Column 12, lines 52-53] (stored synchronization counter information in memory) **which changes when a portion of the important information is updated, in the database together with the important information, [column 4, lines 32-33 and column 8, lines 7-14] (stored ID code) (The ID code which meets the limitation of important information is stored as indicated on column 4, lines 32-33, together with the synchronization counter which meets the limitation of synchronizing information. The storing of synchronizing counter is explained on column 12, lines 52-53 and inherently taught on column 4, lines 38-39, "synchronization counter of the registered device". This synchronizing information changes when the ID code changes and on column 8, lines 7-14, the following has been disclosed. " Encoder 23A includes an **ID code**, which may be a serial number of encoder 23 or PID 6A. Encoder 23A also includes a synchronization counter, an encryption key and an encryption algorithm that employs the encryption key. Host system 4A must "learn" the **ID code and the synchronization counter for each PID 6A which is used to access a function of host system 4A.** Host system 4A must also know the encryption key." Therefore the ID code which**

meets the limitation of important information is stored as indicated on column 4, lines 32-33, together with the synchronization counter which meets the limitation of synchronizing information and together they are stored in the host system. The storing of synchronizing counter is explained on column 12, lines 52-53 and also taught on column 8, lines 7-14 in the host system 4A or on column 4, lines 38-39, "synchronization counter of the registered device". For every user this synchronizing information changes when the PID changes or when the ID code changes because each and every PID has its own unique ID code otherwise the host won't be able to differentiate one PID from another and accessing the host system will not function properly.)

and

encrypting the synchronizing information; [column 4, lines 28-29]

(encrypting data including a synchronization counter.)

Sending the encrypted synchronizing information to a predetermined place/s; [Column 4, lines 24-29] (The access signal which includes the synchronization counter/synchronizing information is encrypted and sent to the host facility meets the limitation of predetermined place/s. This inherently includes storing the encrypted synchronization counter for a certain period of time/temporarily at the host facility before the synchronization counter is decrypted).

Decrypting the synchronizing information in the predetermined places and determining whether the decrypted synchronizing information is identical to the synchronizing information stored in the database. [Column 4, lines 35-42 and column 12, lines 50-59]

Scott does not explicitly disclose,

Distributively storing data in a plurality of predetermined places and combining the data and decrypting the data.

However, in the same field of endeavor, **Nagashima** discloses

- Storing the key data distributively in a plurality of predetermined places and combining/collecting a predetermined number of pieces of information/data which are distributively stored and perform decryption.[Page 4, lines 9-10]

However, the combination of **Scott and Nagashima** does not disclose the following functional limitation added to independent claim 1,

“wherein said important information comprises digital rights management (DRM) information that indicates a number of use times permitted to a user, so as to enable effective performance of DRM, and wherein the synchronizing information changes, if at least a portion of the important information is updated.”

None of the prior art of record taken singularly or in combination teaches or suggests a method for storing and securely managing information for use in a database comprising: the functional limitation recited above with the combination of all other limitation recited in previous independent claim 1. Thus Claim is found to novel and is allowed.

It has been verified that no new matter has been introduced by this amendment.

6. **The dependent claims 2-8**, being further limiting to the **independent claim 1**, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submission should be clearly labeled
"Comments on Statement of Reasons for Allowance."

Conclusion

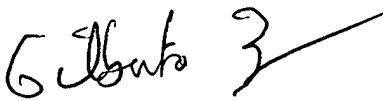
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is 571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am---4: 30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SAMSON LEMMA

S.L.
12/20/2007


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